

Molecular Biology

The Molecular Biology Laboratory provides Pulsed-Field Gel Electrophoresis (PFGE) subtyping of the following microorganisms, in conjunction with the Bureau of Epidemiology:

- *Salmonella sp.*
- *Escherichia coli*
- *Campylobacter sp.*
- *Listeria monocytogenes*
- *Shigella sp.*
- ORSA (Oxacillin Resistant *Staphylococcus aureus*) – Special Projects Only

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The Molecular Biology Laboratory also provides Polymerase Chain Reaction (PCR) testing on the following:

- *Bordetella pertussis* and *parapertussis*
- Monkeypox virus
- SARS Coronavirus (Severe Acute Respiratory Syndrome) (in conjunction with the Utah Department of Health Epidemiology)
- Vaccinia virus
- Varicella zoster virus

**Contact person: Jana Coombs (801) 584-8449
Kim Christensen (801) 584-8449**

Arbovirus detection by PCR is available in the Molecular Biology Laboratory in conjunction with Mosquito Abatement Districts and the Division of Wildlife Resources. Arboviruses include:

- West Nile Virus
- Western Equine Encephalitis Virus
- St. Louis Encephalitis Virus

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